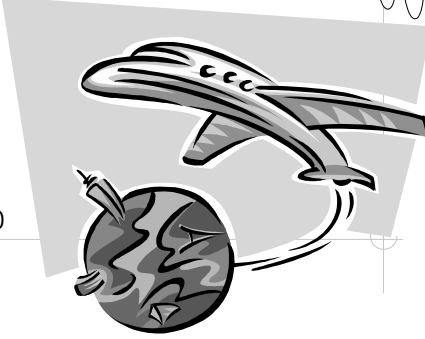


FAA National Software Conference, May 2002

Ground-Based Software Activities

FAA Ground-based Software Activities

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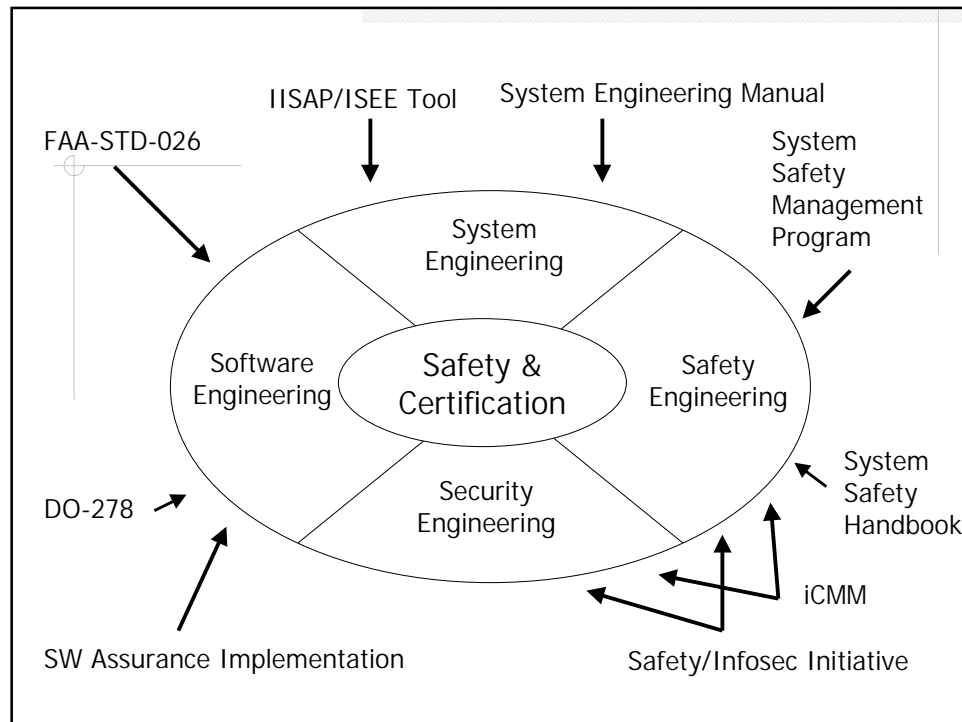
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Agenda

- Our Changing Role
- FAA-STD-026
- DO-278 Implementation
- Supporting Activities
- Training
- Future work
- Breakout sessions

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Ground-Based Software Activities



FAA-STD-026

- ◆ Approved by FAA CCB on June 6, 2001
- ◆ Identifies IEEE 12207 as the software acquisition standard
- ◆ Phase 2 (incorporated in DO-278 Imp.)
 - Develop tailored versions and associated DID's
 - Acquisition lifecycle, Safety Management Plan

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DO-278 Implementation

- ◆ Briefed Senior management on plan of action in November 2001
- ◆ Currently identifying team members
- ◆ Acquisition lifecycle, Safety Management Plan, and Information Security integration, Draft AIR Software Order

More info in the CNS/ATM breakout session

Supporting Activities

- ◆ IISAP Development – Naval Surface Warfare Center
- ◆ SW Verification Tool Study - AIR

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Training

- ◆ New strategy being formulated
- ◆ Looking into more utilization of contractor-based training of core competencies
- ◆ Maintain management level briefings and how core competencies are invoked within the FAA infrastructure.

Future work

- ◆ Integrated Risk Management Process (Safety and Information Security)
- ◆ DO-278 Implementation
 - AMS, FAA-STD-026, System Safety, Infosec
- ◆ Software Release process
- ◆ Use of Software Developed in Foreign Countries (Infosec aspects)

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Ground-Based Software Activities

Breakout sessions- CNS/ATM

- ◆ DO-278/ED-109 Overview and implementation
- ◆ Eurocontrol Software Task Forces
- ◆ COTS Risk Mitigation Guide (2)
- ◆ Lockheed Martin ATM Development
- ◆ Safety and Infosec aspects of software assurance
- ◆ Challenges Facing System Safety Software
- ◆ Integrated Interoperable Safety Analysis Process (IISAP) Tool